

**Claims**

1. Enclosure for parts of a low-temperature air separation system that has side walls that extend perpendicular to the base surface of the enclosure, the extension of the enclosure perpendicular to the base surface defining its height, and the side walls each being lined with a sheet metal jacket consisting of several panels, characterized in that in the direction of the height of the enclosure, the joints of the panels (1a, 1b, 2a, 2b) of one side wall all have essentially the same distance from one another.

2. Enclosure according to claim 1, wherein in the direction of the height of the enclosure, the joints of the panels (1a, 1b, 2a, 2b) of one side wall all have the same distance from one another.

3. Enclosure according to one of claims 1 or 2, wherein the panels (1a, 2a) of one side wall each have the same extension in the direction perpendicular to the height of the enclosure.

4. Enclosure according to one of claims 1 to 3, wherein the enclosure has a rectangular base surface with borders that define the length and the width of the enclosure, the panels (1a, 1b, 2a, 2b) of one side wall in each case extending over the entire length or width of the side wall.

5. Enclosure according to one of claims 1 to 4, wherein in the direction of the height of the enclosure, the panels have an extension of 2 to 4 meters, preferably 3 meters.

6. Enclosure according to one of claims 1 to 5, wherein the panels are provided with a frame of U-sections (3, 4) that runs peripherally on four sides.

7. Process for producing an enclosure for parts of a low-temperature air separation system

that has side walls that extend perpendicular to the base surface of the enclosure, wherein the side walls each are formed from several panels that each have a frame (3, 4) that is provided with a sheet metal lining (8), the panels (3, 4) being positioned and connected to one another.

8. Process according to claim 7, wherein the panels are screwed to one another so that a supporting connection is formed.

9. Process according to one of claims 7 or 8, wherein a segment is preassembled from at least two panels (14, 15, 16), and the segment is integrated into the side wall.

10. Process according to one of claims 7 to 9, wherein before installation in the side wall, system parts or accessory parts (12, 13) are mounted on a panel or segment.